#12

SEQUENCE LISTING

(1) GENERAL INFORMATION:

    (i) APPLICANT: SOMMERVILLE, CHRIS
                SCHIEBLE, WOLF

    (ii) TITLE OF INVENTION: MODIFIED CELLULOSE SYNTHASE GENE
        FROM *ARABIDOPSIS THALIANA* CONFERS HERBICIDE RESISTANCE
        TO PLANTS

    (iii) NUMBER OF SEQUENCES: 2

    (iv) CORRESPONDENCE ADDRESS:
        (A) ADDRESSEE: PAUL A. GOTTLIEB, AGCTT
                    DEPARTMENT OF ENERGY
                    GC-62 (FORSTL) MS-6F-067
        (B) STREET: 1000 INDEPENDENCE AVE. S.W.
        (C) CITY:WASHINGTON, D.C.
        (D) ZIP: 20585

    (v) COMPUTER READABLE FORM:
        (A) MEDIUM TYPE: FLOPPY DISK
        (B) COMPUTER: IBM PC COMPATIBLE
        (C) OPERATING SYSTEM: MS-DOS
        (D) SOFTWARE: WORDPERFECT 8

    (vi) CURRENT APPLICATION DATA:
        (A) APPLICATION NUMBER: 09/686,234
        (B) FILING DATE: 10/11/2000

    (viii) ATTORNEY/AGENT INFORMATION:
        (A) NAME: SMITH, BRADLEY
        (B) REGISTRATION NUMBER: 334436
        (C) REFERENCE/DOCKET NUMBER: S-93994

    (ix) TELECOMMUNICATION INFORMATION
        (A) TELEPHONE: 630-252-2160
        (B) TELEFAX: 630-252-2779

(2) INFORMATION FOR SEQ ID NO:1:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 3563 NUCLEOTIDES
        (B) TYPE: NUCLEIC ACID
        (C) STRANDEDNESS: DOUBLE STRANDED
        (D) TOPOLOGY: LINEAR

(ii) MOLECULAR TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

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(2) INFORMATION FOR SEQ ID NO:2:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 3563 NUCLEOTIDES
        (B) TYPE: AMINO ACID
        (C) STRANDEDNESS: DOUBLE STRANDED
        (D) TOPOLOGY: LINEAR

    (ii) MOLECULE TYPE: cDNA

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

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